

## The Science of Biology

Sr	Questions	Answers Choice
1	The branch deals with the study of form and structure of living organisms is called	A. Morphology B. Genetics C. Physiology D. Cell biology
2	A.F.A King listed observations.	A. 10 B. 20 C. 30 D. 40
3	Biology is the scientific study of.	A. Life B. Earth C. Water D. Non -living thing
4	A good hypothesis must be	A. Proven right B. Based on a single observation C. Testable and potentially falsifiable D. Complex
5	In biological method the next step of hypothesis is called.	A. Result B. Experiment C. Observation D. Deduction
6	Which of the following statements best distinguishes hypotheses from theories in science?	A. Theories are hypotheses that have been proven true B. Theories are based on limited data while hypotheses are based on wide range of data C. Theories are uncertain while hypotheses are certain D. Theories are educated guess while hypotheses are widely accepted explanation of natural phenomenon
7	Which branch of Biology involves the study of the classification of organisms.	A. Biogeography B. Taxonomy C. Physiology D. Palaeontology
8	Into how many major divisions biology is divided	A. 2 B. 2 C. 4 D. 6
9	Material patient has plasmodium in his blood, what would be the possible explanation if a healthy person who is not having any malarial symptoms shows Plasmodium in his blood?	A. Plasmodium are dead B. Plasmodium are in incubation period C. Plasmodium are not mature D. Plasmodium are inactive
10	The study of functions of various organs of an organism is.	A. Morphology B. Physiology C. Histology D. Anatomy
11	You are doing a control experiment which	A. Proceeds slowly enough that a scientist can record the results B. May include experimental groups and control groups tested in parallel C. Is repeated many times to make sure the results are accurate D. Proceed slowly enough that a scientist can test predictions
12	The study of how living things interact with each other and their environment is known as.	A. Ecology B. Physiology C. Anatomy D. Genetics
13	The branch deals with the study of the interrelationship of organism and their environment is called.	A. Environmental Biology B. Biotechnology C. Molecular biology D. Cell biology

		D. Entomology
14	Being a biological research worker, you are studying "Markhor" which branch of biology it will be	A. Zoology B. Biology C. Plaeontology D. Parasitology
15	Heart pumps, the brain memorizes, kidnesy excrete, The statemen comes from	A. Anatomy B. Cardiology C. Physiology D. Morphlogy
16	Which step comes between making hypothesis and doing experiments?	A. Making observation B. Making Deductions C. Summaring results D. Analysing Data
17	Mr. Nauman was busy in disecting and analyzing the heart of frog Probably he is a.	A. Cell biologist B. Histologist C. Taxonomist D. Palacontologist
18	Who performed experiments on sparrow.	A. A.F.A King B. Laveran C. Ross D. None of these
19	Following are the charactristics of a good hypothesis EXCEPT.	A. Should be a complex statement B. Should be a tentative idea C. Should be testable D. Should agree with available observations
20	What is the study of diseases and their causes called.	A. Pharmacology B. Pathology C. Anatomy D. Physiology
21	Five sencses are involved in	A. Experiment B. Observation C. Hypothesis D. Deduction
22	Experiments are very important in scientific method because a researcher.	A. Gets a chance to work in the laboratory B. Disprove many hypotheses and gets some hypotheses proved C. Alwyas gets correct result D. Is sure that he will prove the hypotheses
23	"The number of plants in desert are scarce". This could be the statement of	A. Biogeographist B. taxonomist C. Social biologist D. Palacontologist
24	Which field applies computer technology to biological search	A. Biogeography B. Computtaional biology C. Bioeconomics D. Biostatistics
25	What does MBBS stand for?	A. Bachelor of Medicine and Bachelor of Surgery B. Master of Biology and Biological studies C. Bachelor of Medical Biological science D. Master of Biochemical biological studies
26	The scientific method in which biologicla problems are solved is termed as	A. Physical method B. Chemical method C. Biologicla method D. Statistical method
27	The study of how living things interact with each other and their environment in known as.	A. Ecology B. Anatomy C. Genetics D. Physiology
28	The study of the processes of heredity and ariation in livng organisms is known as.	A. Genetics B. Ecololgy C. Anatomy D. Proteomics
29	Whcih of the following is NOT a characteristic of the scientific method?	A. Hypothesis will always be correct B. It relies on evidence C. It involves formulating hypotheses D. It requires rigorous testing

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30	People who slept near smoky fire had less chance to suffer from malaria Why?	A. Smoke kills plasmodium in their blood B. Fire increases temperature and plasmodium are killed in air C. Mosquitoes cannot tolerate smoke and are repelled D. Smoke kills plasmodium presnet in mosquitoes
31	Histology is the microoscopic study of	A. Cells B. Fossils C. Tissues D. Plants
32	Deduction are drawn from	A. Law B. Hypothesis C. Experiment D. Theory
33	Information that is gathered as a result of an experiment is called.	A. Data B. Observation C. Theory D. Hypothesis
34	The oldest known fossil is cyanobacterium estimated to be years old.	A. 3.5 billion B. 2.4 billion C. 1.4 billion D. 4 billion
35	For the first time, who found plasmodium in the blood of malarial patient?	A. Laveran B. Mendel C. Ronald Rose D. A.F.A.King
36	What does the field of forensic science involve.	A. Garden management B. Drug development C. Livestock management D. Examination of evidence from crime sciences
37	Which of the following best describes the field of biotechnology.	A. Use of biological processes to develop technologies B. Study of diseases C. Study of marine life D. Management of forest resources
38	"We made every living thing from water". Which of the following is mentioned in the Holy Quran?	A. Al-Rehman B. Al-ambia C. Al-Noor D. Al-Mominoon
39	Malaria is caused by	A. Plasmodium B. Mosquito C. Stagnant water D. Swamp
40	Which of the following profession deals with the diagnosis and treatment of diseases in human?	A. Medicine B. Farming C. Biotechnology D. Surgery
41	Human Genome project was completed	A. 2001 B. 2000 C. 2003 D. 2002
42	Study of insects is called	A. Ecology B. Genetics C. Immunology D. Entomology
43	The other name of environmental biology is	A. Ecology B. Biotechnology C. Microbiology D. Cell biology
44	Number of steps of biological method are.	A. Seven B. Six C. Two D. Eight
45	Which branch of Biology focuses on the study of the structure and function of cells?	A. Ecology B. Cytology C. Microbiology D. Histology

A. Theory

46	The logical consequences of hypothesis are	B. Law C. Observation D. Deduction
47	The new emerging careers of biology include.	A. Genetics B. Bioinformatics and biomedical engineering C. Biotechnology D. All of above
48	What is the correct experiment to know that Plasmodium destroys blood cells?	A. Examine the blood of a single healthy person B. Examine the blood of some healthy and also some infected persons C. Allow mosquito to bite a healthy person and examine his blood D. Examine the blood of a single infected person
49	Biology is a word of which language	A. Greek B. Latin C. Arabic D. English
50	Match anatomy with one of the following	A. Physiology B. Genetics C. Morphology D. Embryology
51	The starting point of scientific investigation is.	A. Hypothesis B. Data C. Theory D. Observation
52	The study of occurrence and distribution of different species of living organism in different geographical regions of the world is called.	A. Biogeography B. Histology C. Microbiology D. Parasitology
53	What is the role of horticulturist.	A. Perform surgeries B. Develop medicines C. Plant breeding and cultivation D. Disease diagnosis
54	Insulin made through bacteria is an example of the technique of	A. Parasitology B. Biotechnology C. Histology D. Biochemistry
55	How many people get lung cancer by smoking? This question can be answered through.	A. Biometry B. Biophysics C. Bio-economics D. Biogeography
56	Choose the correct sequence of steps of scientific method.	A. Law-theory -deduction observation B. Observations-hypothesis-deduction-experiment C. Observation -hypothesis-law-theory D. Hypothesis-observation -deduction-experiment
57	Which of the following best describes the logic of the scientific process.	A. If I generate a testable hypothesis tests and observations will support it B. If my observation are accurate they will support my hypothesis C. If my hypothesis is correct, I can expect certain test result D. If my prediction is correct it will lead to a testable hypothesis.
58	Microbiology is the study of	A. Fungi B. Animals C. Microorganisms D. Plants
59	The scientific method in biology starts with.	A. Deduction B. Hypothesis C. Recognition of a problem D. Analysis of results
60	The branch which deals with the study of cell division is called.	A. Physiology B. Histology C. Cell biology D. Entomology
61	A well-substantiated explanation of hypothesis is called	A. Theory B. Deduction C. Observation

C. Observation  
D. Experimentation

62

The study of plants is called

A. Botany  
B. Biology  
C. Zoology  
D. Microbiology